

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 006.0052PC	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/US 02/ 15216	International filing date (day/month/year) 13/05/2002	(Earliest) Priority Date (day/month/year) 21/05/2001
Applicant THREE-FIVE SYSTEMS, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

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☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 02/15216

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02F1/1337 G02F1/1343 G02F1/1333

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 831 705 A (NAKAMURA KATSUTOSHI ET AL) 3 November 1998 (1998-11-03) column 7, line 58 -column 11, line 31	1-3, 8-10, 20-24
X	column 13, line 64 -column 15, line 42	11,12, 29-33
X	column 15, line 65 -column 17, line 42 column 5, line 46 - line 57	13-19, 34-46
X	US 5 892 563 A (ONO AKIHIRO ET AL) 6 April 1999 (1999-04-06)	20,23,24
A	column 1, line 35 - line 62	1-3
X	US 5 764 324 A (LU MINHUA ET AL) 9 June 1998 (1998-06-09) cited in the application column 5, line 10 -column 6, line 03 --- -/--	20,23,24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

* & * document member of the same patent family

Date of the actual completion of the international search

1 April 2003

Date of mailing of the international search report

23/04/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/15216

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HUANG H C ET AL: "CHARACTERIZATION AND MINIMIZATION OF FLICKER IN SILICON LIGHT VALVES"</p> <p>JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 89, no. 2, 15 January 2001 (2001-01-15), pages 831-837, XP001011754</p> <p>ISSN: 0021-8979</p> <p>Chapter: VI. SOLUTIONS OF FLICKER MINIMIZATION</p> <p>----</p>	20, 29, 32
X	<p>WO 00 05621 A (KONINKL PHILIPS ELECTRONICS NV) 3 February 2000 (2000-02-03)</p> <p>page 4, line 10 - line 18</p>	1, 20-24
X	<p>page 6, line 01 - line 14</p> <p>----</p>	29, 30, 34, 35
P, X	<p>US 6 313 901 B1 (CACHARELIS PHILIP JOHN) 6 November 2001 (2001-11-06)</p> <p>column 2, line 65 - column 3, line 04</p> <p>column 5, line 30 - line 37</p> <p>----</p>	1, 24-27
A	<p>INOUE H: "Flicker and image sticking in hybrid alignment nematic panels"</p> <p>PROCEEDINGS OF THE 18TH. INTERNATIONAL DISPLAY RESEARCH CONFERENCE. ASIA DISPLAY '98, PROCEEDINGS OF EIGHTEENTH INTERNATIONAL DISPLAY RESEARCH CONFERENCE (ASIA DISPLAY '98), SEOUL, SOUTH KOREA, 28 SEPT.-1 OCT. 1998,</p> <p>pages 975-978, XP002236748</p> <p>USA</p> <p>the whole document</p> <p>-----</p>	25, 28, 34

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/15216

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5831705	A	03-11-1998	AT 216090 T AU 681973 B2 AU 2837495 A CN 1148184 A DE 69526291 D1 EP 0695965 A2 JP 3093613 B2 JP 8262447 A KR 148865 B1 US 5666217 A	15-04-2002 11-09-1997 15-02-1996 23-04-1997 16-05-2002 07-02-1996 03-10-2000 11-10-1996 15-10-1998 09-09-1997
US 5892563	A	06-04-1999	JP 10054995 A	24-02-1998
US 5764324	A	09-06-1998	JP 3201990 B2 JP 10206845 A KR 271201 B1	27-08-2001 07-08-1998 01-11-2000
WO 0005621	A	03-02-2000	US 6236440 B1 CN 1274431 T WO 0005621 A1 EP 1040384 A1 JP 2002521718 T US 2001012085 A1	22-05-2001 22-11-2000 03-02-2000 04-10-2000 16-07-2002 09-08-2001
US 6313901	B1	06-11-2001	NONE	